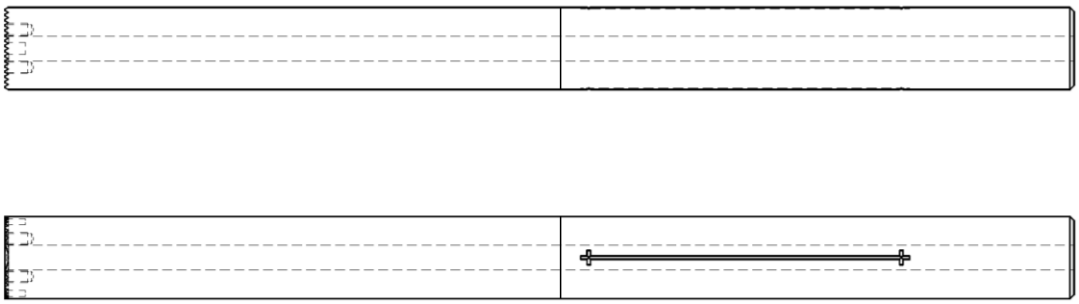
STMD STMD i5/8-8.0

Vibration damped turning tool holder – modular



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Price and dimensions

More technical data on page 2

Diameter (inch)	Length (inch)	Price USD	Price EUR
0.625	8.0	$ 1,100	€ 990

Description:

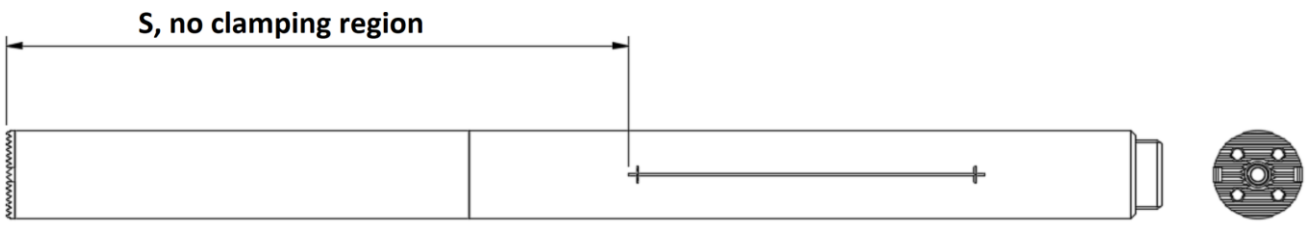
STMD turning tool holder

Supplied with:

Insex screws M3X8, 3 pcs
Allen wrench, 1 pcs
Coolant adapter M12x1 - G1/8, 1 pcs

Note:

Cylindrical shank without clamping feature.
With central groove for alignment.
Recommended application range up to 12XD
Refer to product performance datasheet bellow.
Maximum cutting depth (To be updated) mm.



Download drawing

STEP

DWG

Technical data

Adaptive interface machine direction	0.625
Adaptive interface workpiece direction	SL16
No clamping region (S)	3.15 inch
Recommended maximum overhang (OHX)	Approx. 6.5 inch
Coolant entry form	Axial concentric
Coolant exit form	3C – axial and periphery
Coolant entry thread size	G 1/8
Max coolant pressure	70 bar
Alignment aid property	Central groove
Connection diameter (DCON)	0.625 inch
Functional length (LF)	8.0 inch
Body material	Carbide reinforced steel
Weight of item	0.5 kg
Recommended clamping length	1.875 inch (3XD)
Method of cutting off	EDM Wire cutting

Quality / Product performance reference*

Depth of cut:	0.5 mm	**Nose radius:**	0.4 mm
Cutter head:	MAQ SDUCR 16 **Cutting insert:**	DCMT 070204	
Coolant:	On	**Workpiece material:**	34 CrNiMo, HRC 28-30
Units:	Feed: mm/rev; Speed: m/min; Ra: µm		

Quiet with good/medium surface quality	Slight to medium vibrations with medium to bad surface quality	Strong vibrations / Insert broken

Surface finish (Ra) table

10xD DOC = 0.5mm

Speed \ Feed	0.05**	0.10	0.15	0.20
300	1.68	1.06	2.06	3.54
200	N.A	1.12	1.61	2.73
150	N.A	2.50	1.97	2.38

11xD DOC = 0.5mm

Speed \ Feed	0.05**	0.10	0.15	0.20
300	3.45	0.99	1.95	3.36
200	4.71	1.62	1.81	3.13
150	0.55	1.64	2.10	2.75

12xD DOC = 0.5mm

Speed \ Feed	0.05**	0.10	0.15	0.20
300	4.31	1.09	1.99	3.54
200	5.28	1.18	1.94	2.6
150	N.A	1.91	2.17	4.68

** The actual product performance is dependent on the rigidity of the clamping methods, and the table is used as reference*

*** In actual machining, avoid using depth of cut or feed rate below 0.07mm when working with carbide insert (the edge radius)*

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